

# WHAT IS THE BEST LANGUAGE TO START LEARNING FOR DEVELOPMENT? JAVASCRIPT OR PYTHON?

Upon embarking on the journey to the pinnacle of software development, a common question arises, and a choice needs making. What is the best language to start learning for development?

Javascript versus Python is a hard choice when you are a beginner.

You have undoubtedly surfed the web countless times, searching for a satisfying and reassuring answer to that question.

We shall discuss these languages, their strengths, contrasts, and weaknesses, to give you a clear idea of which language to choose first.

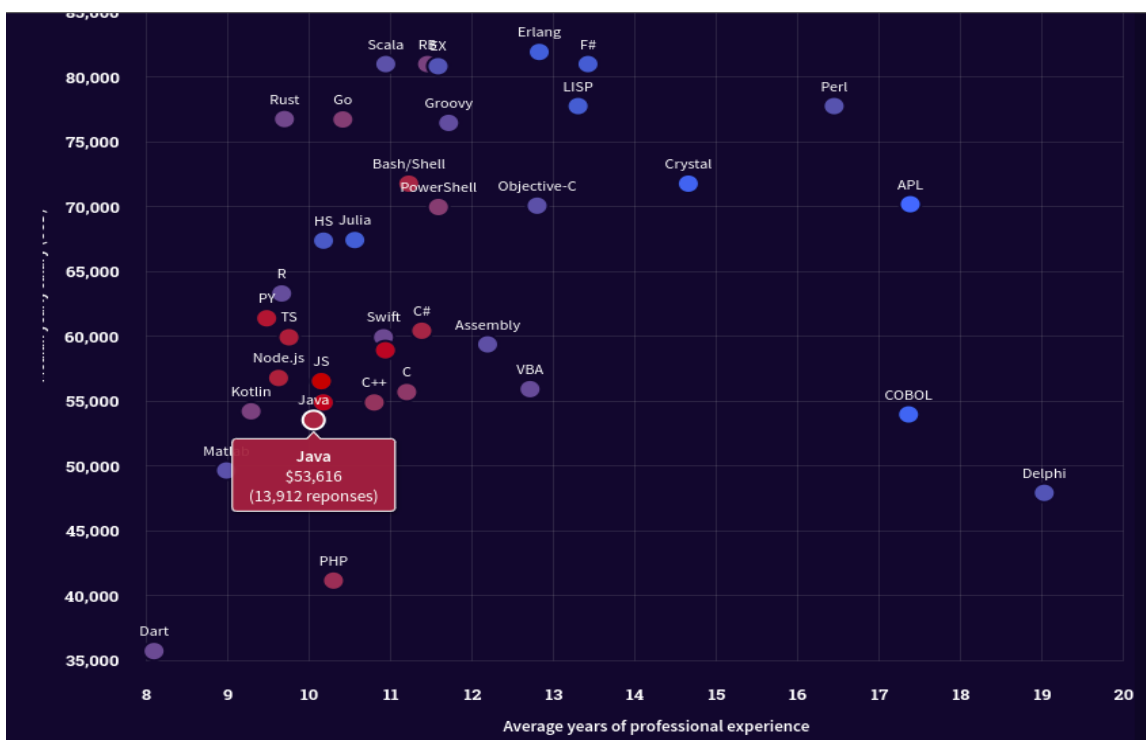
## PURPOSES

Analyzing the purpose of a programming language is a definite precursor. Javascript and Python serve different ones. Java excels in web development due to its ability to run natively on multiple clients and boasts multiple frameworks built using it. These include ReactNative(Android/IOS apps), AppJS(Desktop Applications), and among others, Pixi(game development).

Python, meanwhile, is quite versatile. It is also used to create desktop applications and excels in the fields of Machine learning, Data Science, Artificial intelligence, and Deep learning. These fields are the backbone of modern neo-advertising architecture, allowing for conveniences like online product recommendations based on user interests. Similar to Javascript, it also has frameworks for web development like Flask and Django.

## JOB OPPORTUNITIES

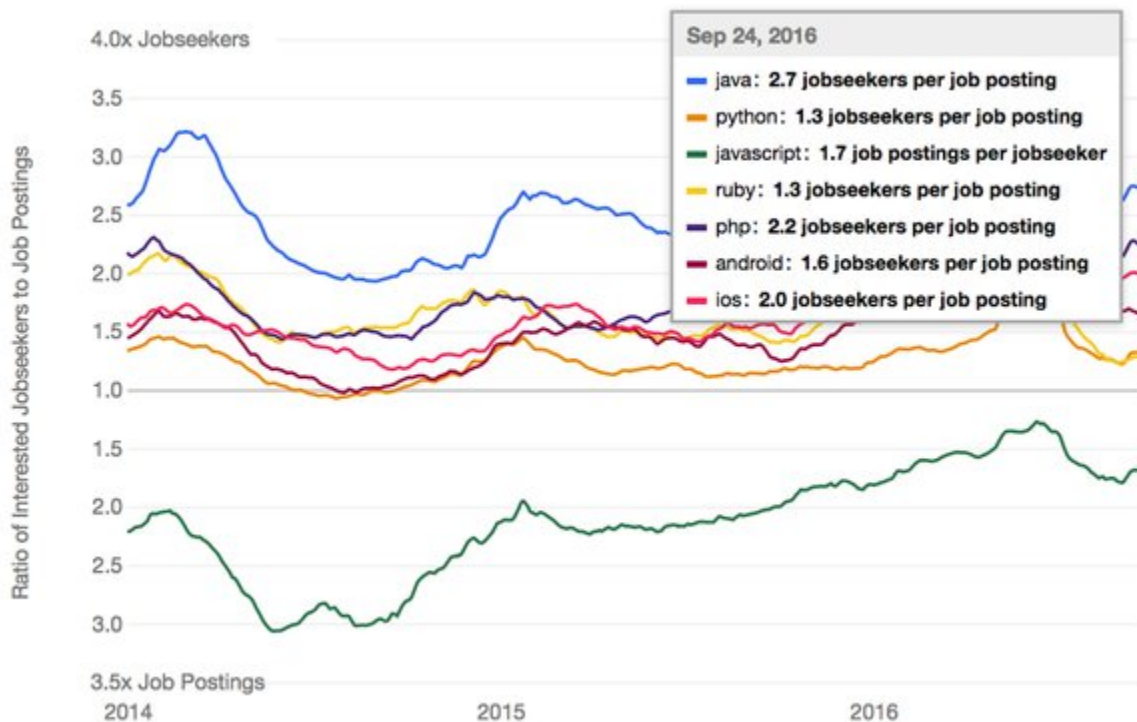
Another factor to weigh is Job opportunities. Devskiller's IT skills report found Javascript to be one of the most in-demand skills, a trend that has held for at least the past three years. In 2019, 72% of companies worldwide sought JavaScript developers. Python rose to the fourth position in 2021 and was second only to Data science among the fastest-growing fields of the year.



The 2021 StackOverflow developer survey has also placed Javascript first as the most professionally used language, with Python in fourth place. However, Python developers with fewer years of experience had higher salaries than their javascript counterparts.

links:<https://insights.stackoverflow.com/survey/2021#most-popular-technologies-language-prof>  
link:<https://devskiller.com/it-skills-report-2020/#Methodology>  
link:<https://devskiller.com/it-skills-report-2021/#Two>  
link:<https://devskiller.com/it-skills-report-2022/#Methodology>

In 2016, there were approximately 1.7 Job postings per jobseeker in Javascript and only 0.6 Javascript developers per Javascript position(Indeed). ((link)It accounts for 97% of pull requests from GitHub. 75% of companies are looking to hire Javascript developers.))



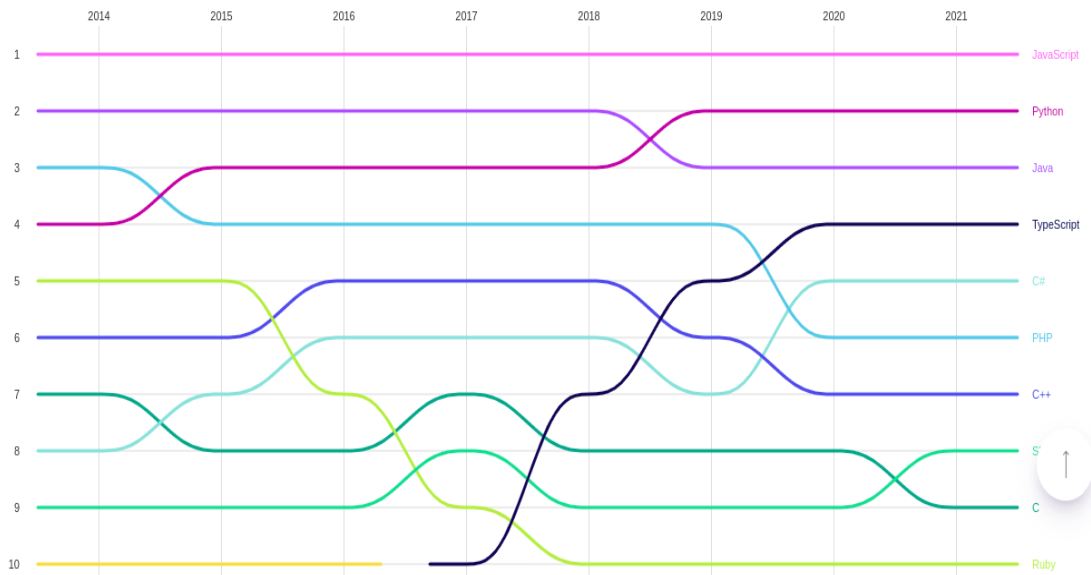
When it comes to Backend, Big data, ETL, and Python are common. Javascript is prominent in Frontend development. Salary varies from company to company even though Big data has high demand and pays more.

### EASE OF LEARNING

Both Python and Javascript are dynamically-typed languages and are generally easier to learn than other languages like Java or C++. Python, in particular, has continued its rise atop the heap of programming languages partly due to how relatively easy and beginner-friendly it is.

### LONG TERM PROSPECTS

Python and Javascript are well-established, in demand, and used languages. Given how reliant most websites, frameworks, and companies are on them while not failing to account for their versatility, it's safe to say they are here to stay. This trend is evident in the Github Octoverse rankings, as far back as 2014.



## **FRAMEWORKS:**

You can use both Javascript and Python frameworks for the same project. An open-source framework, Django serves as a full-stack Python framework for the Backend. Javascript provides its core libraries to build web applications.

## **CONCLUSION**

You have two powerful languages to choose from Javascript and Python. Their usage methodology is different, their similarities nuanced, but they are pillars of great import in the modern programming and software development landscape. Ultimately, your desired career path holds the most weight. Should your interests lie within the web development realm, you can't go wrong with Javascript; if you're inclined towards more scientific paths like Machine learning and Artificial Intelligence, then Python is your go-to.